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P. 1/5

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[illegible]

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of: )  
BRANCIFORTE ET AL. )  
Serial No. 10/701,160 ) Attorney Docket No.  
Confirmation No. 5525 ) 53399\_CIP2  
Filing Date: NOVEMBER 4, 2003 )  
For: QUANTUM GATE FOR CARRYING OUT )  
A GROVER'S QUANTUM ALGORITHM )  
AND A RELATIVE METHOD OF )  
PERFORMING THE INTERFERENCE )  
OPERATION OF A GROVER'S )  
QUANTUM ALGORITHM )

REQUEST FOR CORRECTION TO THE FILING RECEIPT

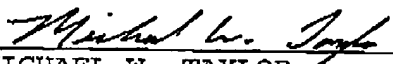
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

The filing receipt for the subject patent application has been received and reviewed for accuracy. A discrepancy has been discovered. The filing receipt in error lists the priority data as "CIP of 10/615,446 7/8/03". The correct priority data is CIP of 10/701,150 11/4/03 and CIP of 10/615,446 7/8/03.

In view of the error noted, it is respectfully requested that a corrected filing receipt be issued in this application. If any fee is believed to be necessary, authorization is given to charge Deposit Account No. 01-0484.

Respectfully submitted,

  
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Attorney for Applicants

In re Patent Application of:  
BRANCIFORTE ET AL.  
Serial No. 10/701,160  
Filing Date: NOVEMBER 4, 2003

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CERTIFICATE OF FACSIMILE

I HEREBY CERTIFY that this REQUEST FOR CORRECTION TO  
THE FILING RECEIPT for U.S. Serial No. 10/701,160 is being  
submitted via telefacsimile no. 703-746-9195 to: OFFICE OF  
INITIAL PATENT EXAMINATION'S FILING RECEIPT CORRECTIONS, P.O.  
BOX 1450 ALEXANDRIA, VA 22313-1450, this 6th day of May,  
2004.

Dawn K. Kimler



## UNITED STATES PATENT AND TRADEMARK OFFICE

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APPL NO.	FILING OR 371 (c) DATE	ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	DRAWINGS	TOT CLMS	IND CLMS
10/701,160	11/04/2003	2124	900	02CT39353399CIP2	9	19	3

CONFIRMATION NO. 5525

27975

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UPDATED FILING RECEIPT

\*OC000000012282514\*

Date Mailed: 04/06/2004

Receipt is acknowledged of this regular Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Filing Receipt Corrections, facsimile number 703-746-9195. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

## Applicant(s)

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## Assignment For Published Patent Application

STMmicroelectronics S.r.l., Agrate Brianza, ITALY;

## Domestic Priority data as claimed by applicant

This application is a CIP of 10/615,446 07/08/2003; CIP of 10/701,150 11/4/03

## Foreign Applications

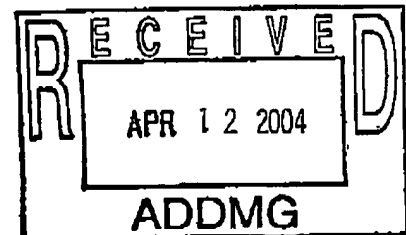
EUROPEAN PATENT OFFICE (EPO) 02425447.6 07/08/2002  
EUROPEAN PATENT OFFICE (EPO) 02425672.9 11/04/2002  
EUROPEAN PATENT OFFICE (EPO) 03425080.3 02/11/2003

If Required, Foreign Filing License Granted: 02/20/2004

Projected Publication Date: 07/15/2004

Non-Publication Request: No

Early Publication Request: No



**Title**

Quantum gate for carrying out a Grover's quantum algorithm and a relative method of performing the interference operation of a Grover's quantum algorithm

**Preliminary Class**

708

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Title 37, Code of Federal Regulations, 5.11 & 5.15**

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